

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SOLID-STATE IMAGING DEVICE

Case No, 09792909-5154, the specification of which

(check
one) X is attached hereto
 was filed on _____, as
Application Serial No. _____
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent Office all information which is known to me to be material to the patentability of this application in accordance with Title 37, Code of Federal Regulations. 1.56¹

I do not know and do not believe this invention was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, and I believe that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as identified below:

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below:

Prior Foreign Application(s) Number	Country	Date
P2000-251241	Japan	August 22, 2000

and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the above listed application on which priority is claimed:

¹ (b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a *prima facie* case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the application takes in:

(i) opposing an argument of unpatentability relied on by the Office, or

(ii) asserting an argument of patentability.

A *prima facie* case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden of proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

Prior Foreign Application(s)
Number

Country

Date

If no priority is claimed, I have identified all foreign patent applications filed prior to this application:

Prior Foreign Application(s)
Number

Country

Date

And I hereby appoint Joseph A. Mahoney (Reg. No. 38,956), Howard B. Rockman (Reg. No. 22,190), Jordan A. Sigale, (Reg. No. 39,028), Michael A. Molano (Reg. No. 39,777), Michael L. Kiklis (Reg. No. 38,939), Janelle D. Strode (Reg. No. 34,738), Kevin W. Guynn (Reg. No. 29,972), David R. Metzger (Reg. No. 32,919), Jennifer Hammond (Reg. No. 41,814), Lana Knedlik (Reg. No. 42,748), John F. Griffith (Reg. No. 44,137), Marina Saito (Reg. No. 42,121), Alison P. Schwartz (Reg. No. 43,863), Christopher P. Rauch (Reg. No. 45,034), Francisco Rubio-Campos (Reg. No. 45,358), Brian J. Gill (Reg. No. 46,727) and Shashank S. Upadbye, all members of the firm of Sonnenschein, Nath & Rosenthal

Telephone 312/876-0200 Ext. 2578

my attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and direct that all correspondence be forwarded to:

SONNENSCHN NATH & ROSENTHAL
80th Floor – Sears Tower
233 S. Wacker Drive, Chicago, IL 60606

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor KOUICHI TANIGAWA

Inventor's signature

Kouichi Tanigawa

Date

August 8, 2001

Residence

KAGOSHIMA, JAPAN

Citizenship

JAPANESE

Post Office Address

c/o SONY SEMICONDUCTOR KYUSHU CORPORATION KOKUBU TEC
5-1 KITA, NOGUCHI, KOKUBU-SHI, KAGOSHIMA-KEN, JAPAN

Full name of second inventor

Inventor's signature

Date

Residence

Citizenship

Post Office Address

Full name of third inventor

Inventor's signature

Date

Residence

Citizenship

Post Office Address

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(s): Kouichi Tanigawa

CLIENT DOCKET NO.: S01P1185US00

SERIAL NO. 09/934,154

GROUP ART UNIT: 2812

FILING DATE: August 21, 2001

TITLE: SOLID-STATE IMAGING DEVICE

Assistant Commissioner for Patents
Washington, D.C. 20231

SUBMISSION OF REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

S I R:

We have enclosed a Revocation and Substitute Power of Attorney for the above-identified case that has been executed by the client. Accordingly, please direct all future communications to:

SEND CORRESPONDENCE TO:

DIRECT TELEPHONE CALLS TO:

Lewis T. Steadman, Sr., Esq.
Holland & Knight LLP
55 West Monroe Street
Suite 800
Chicago, Illinois 60603

Robert J. Depke or
Lewis T. Steadman, Sr.
(312) 263-3600

Respectfully submitted,

 (Reg. #17,074)

Lewis T. Steadman, Sr.
HOLLAND & KNIGHT LLP
55 West Monroe Street, Suite 800
Chicago, Illinois 60603
Tel: (312) 578-6502
Attorney for Applicant

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(s): Kouichi Tanigawa

CLIENT DOCKET NO.: S01P1185US00

SERIAL NO. 09/934,154

GROUP ART UNIT: 2812

FILING DATE: August 21, 2001

TITLE: SOLID-STATE IMAGING DEVICE

Assistant Commissioner for Patents
Washington, D.C. 20231

**POWER OF ATTORNEY BY ASSIGNEE OF
ENTIRE INTEREST AND REVOCATION OF ALL PRIOR POWERS**

S I R:

As assignee of record of the entire interest of the above identified

☒ application,

☐ patent,

REVOCATION OF PRIOR POWERS OF ATTORNEY

Sony Corporation, as the sole assignee of all right, title and interest in the above-identified application for United States Patent, hereby revokes all powers of attorney previously granted in the application and

NEW POWER OF ATTORNEY

Sony Corporation further hereby appoints Messrs. Lewis T. Steadman, Sr. (17,074), Robert J. Depke (37,607), Todd S. Parkhurst (Reg. No. 26,494), Kevin A. Buford (Reg. No. 26,494), Stefan V. Stein (Reg. No. 29,702) and Anderson L. Baldy (40,496), all members of the firm of Holland & Knight LLP, as its attorneys with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

SEND CORRESPONDENCE TO:

Lewis T. Steadman, Sr., Esq.
Holland & Knight LLP
55 West Monroe Street
Suite 800
Chicago, Illinois 60603

DIRECT TELEPHONE CALLS TO:

Robert J. Depke or
Lewis T. Steadman, Sr.
(312) 263-3600

Sony Corporation

(type identity of assignee of entire interest)

6-7-35 Kitashinagawa, Shinagawa-ku

Address

Tokyo 141, Japan

☒ Recorded in PTO on August 21, 2001

Reel/Frame: 012115/0020

ASSIGNEE CERTIFICATION

☐ Attached to this power is a "CERTIFICATE UNDER 37 CFR 3.73(b)".

Signature Keisuke Tanaka

Date April 26, 2002

Keisuke Tanaka

(type or print name of person authorized to sign on behalf of assignee)

Manager, Intellectual Property Division

Note: The assignee of the entire interest may revoke previous powers and be represented by an attorney of his or her selection. 37 CFR 1.36.

(check the following item, if it forms a part of this power of attorney)

☐ Added page - Authorization of attorney(s) to accept and follow instructions from representative.

Commissioner For Patents
Washington, D.C. 20231

SIR:

**PLEASE APPLY A RECEIPT STAMP HERETO AND MAIL TO
ACKNOWLEDGE RECEIPT OF THE ATTACHED:**

Tanigawa

APPLICANT

Submission of Revocation and Substitute
Power of Attorney and Power of
Attorney by Assignee of Entire Interest and
Revocation of all Prior Powers

TYPE OF DOCUMENT(S):

July 11, 2002

MAILING DATE

09/934,154

REFERENCE NUMBER

HOLLAND & KNIGHT LLP

Commissioner For Patents
Washington, D.C. 20231

SIR:

**PLEASE APPLY A RECEIPT STAMP HERETO AND MAIL TO
ACKNOWLEDGE RECEIPT OF THE ATTACHED:**

Tanigawa

APPLICANT

Submission of Revocation and Substitute
Power of Attorney and Power of
Attorney by Assignee of Entire Interest and
Revocation of all Prior Powers

TYPE OF DOCUMENT(S):

July 8, 2002

MAILING DATE

09/934,154

REFERENCE NUMBER

HOLLAND & KNIGHT LLP

LIMITED POWER OF ATTORNEY TO TAKE ACTION
ON BEHALF OF SONY CORPORATION

I hereby declare that I am Representative Director of Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-ku, Tokyo, Japan. As Representative Director of Sony Corporation, I hereby declare that I have the authority to execute documents required to be signed by and take actions on behalf of the Assignee, Sony Corporation, under 37 C.F.R. §3.71 and 3.73. I hereby grant power of attorney to execute those documents required to be signed by and take other actions on behalf of the Assignee, Sony Corporation, under 37 C.F.R. §3.71 and 3.73 to the following individual(s) with the same effect as if I had executed such documents or taken such actions under 37 C.F.R. §3.71 and 3.73 myself, such power to run until revoked in writing:

Reikichi Fujii
Tsukasa Ikegami
Susumu Aoyagi
Keisuke Tanaka

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the U.S.Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Signed: 
Kunitake Ando

Date: August 21, 2001

Title: Representative Director, Sony Corporation



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

OCTOBER 31, 2001

PTAS

SONNENSCHNEIN NATH & ROSENTHAL
DAVID R. METZGER
P.O. BOX 061080
WACKER DRIVE STATION - SEARS TOWER
CHICAGO, IL 60606-1080



101830003A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 08/21/2001

REEL/FRAME: 012115/0020
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
TANIGAWA, KOUICHI

DOC DATE: 08/08/2001

ASSIGNEE:
SONY CORPORATION
7-35 KITASHINAGAWA 6-CHOME
SHINAGAWA-KU
TOKYO, JAPAN

SERIAL NUMBER: 09934154
PATENT NUMBER:

FILING DATE: 08/21/2001
ISSUE DATE:

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

RECEIVED 11/6/01 DOCKET
DOCKETED Assign. Rec.
DIARIED 10/31/01
BY: JCD JCD

NOV 06 2001

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

08-31-2001

U.S. Department of Commerce
Patent and Trademark Office
PATENT



101830003
RECORDATION FORM COVER SHEET
PATENTS ONLY

U.S. PTO
09/934154

08/21/01

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies)

Submission Type

☒ New *08/21/01*
☐ Resubmission (Non-Recordation)
Document ID#
☐ Correction of PTO Error
Reel # Frame #
☐ Corrective Document
Reel # Frame #

Conveyance Type

☒ Assignment ☐ Security Agreement
☐ License ☐ Change of Name
☐ Merger ☐ Other
U.S. Government
(For Use ONLY by U.S. Government Agencies)
☐ Departmental File ☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Execution Date
Month Day Year

08082001

Execution Date
Month Day Year

Name (line 1) Tanigawa, Kouichi
Name (line 2)
Second Party
Name (line 1) *09/934154*
Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Sony Corporation
Name (line 2)
Address (line 1) 7-35 Kitashinagawa 6-Chome
Address (line 2) Shinagawa-Ku
Address (line 3) Tokyo Japan
City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name David R. Metzger
Address (line 1) Sonnenschein Nath & Rosenthal
Address (line 2) P.O. Box 061608
Address (line 3) Wacker Drive Station - Sears Tower
Address (line 4) Chicago, IL 60606-1080

FOR OFFICE USE ONLY

08/24/2001 VTRUONG1 00000037 09934154

02 FC:581

40.00 OP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and Address

Area Code and Telephone Number **(312) 876-6000**

Name **David R. Metzger**

Address (line 1) **Sonnenschein Nath & Rosenthal**

Address (line 2) **P.O. Box 061080**

Address (line 3) **Wacker Drive Station - Sears Tower**

Address (line 4) **Chicago, IL 60606-1080**

Pages

Enter the total number of pages of the attached conveyance document
including any attachments.

1

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was
signed by the first named executing inventor.

Month Day Year
08 08 2001

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment:
Deposit Account

Enclosed ☒ Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

19-3140

Authorization to charge additional fees:

Yes ☒ No ☐

Statement and Signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any
attached copy is a true copy of the original document. Charges to deposit account are authorized, as
indicated herein.*

David R. Metzger

Name of Person Signing

David R. Metzger
Signature

8/21/01
Date

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in
SOLID-STATE IMAGING DEVICE

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referenced as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: _____, Filing Date: _____.

This assignment executed on the dates indicated below.

KOUICHI TANIGAWA

Name of first or sole inventor

Execution date of U.S. Patent Application

KAGOSHIMA, JAPAN

Residence of first or sole inventor

Kouichi Tanigawa

August 8, 2001

Signature of first or sole inventor

Date of this assignment